

San Diego County Health and Human Services Agency Division of Community Epidemiology

Regional Health Status Profiles, 1998-1999

County of San Diego

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Introduction

This is the third edition of the **Regional Health Status Profiles** for the County of San Diego. This report contains selected health status indicators recommended by the Centers for Disease Control and Prevention (CDC) for monitoring state and local progress toward achieving some of the goals set forth in *Healthy People 2000*. In addition, it provides complementary data to the **San Diego County Health Status Report**¹ to help monitor the effectiveness of programs and services at the regional and county levels.

The **Regional Health Status Profiles** reflect a continued commitment to provide comprehensive information on the condition and progress of the county's regional health. It will also serve to identify regional trends in mortality and morbidity and provide comparison data to San Diego County, the State of California, the United States, and the Healthy People 2000 Objectives.

Content

This document is divided into two primary sections: 1) demographic and economic profiles of the six regions defined by zip code areas and 2) health status indicators by county, region, and race/ethnicity. Highlighted cells indicate regional rates that meet Healthy People 2000 goals. Regional and county rates reflect 1998 mortality and 1999 morbidity data. Mortality rates are age-adjusted to 1940 standard population figures. California rates reflect 3-year averages, 1996-1998, published in the County Health Status Profile 2000 by the Department of Health Services and California Conference of Local Health Officers.

¹ The San Diego County Health Status Report can be accessed at the following internet address:
http://www.co.san-diego.ca.us/cnty/cntydepts/health/services/report/00_toc.pdf

Data Sources

Regional and San Diego County Data: Data on communicable diseases in San Diego County are obtained from reports by physicians and other health care providers, laboratories and a variety of other institutions such as hospitals and schools via confidential morbidity reports submitted to **Community Epidemiology, HHSA**. State law (Title 17, Health, Section 2500) requires reporting of more than 84 communicable diseases and select conditions to the local health department. Data on causes of death were obtained from the California Department of Health Services, Center for Health Statistics, Vital Statistics Section, Death Statistical Master Files.

Regional and county population data used in the calculation of population-based rates are obtained from 1998-1999 estimates from the San Diego Association of Governments (SANDAG). Estimates of the population by demographic and economic characteristics are also based on SANDAG estimates whenever possible.

California Data: California rates were based on data from the Department of Health Services: Death Statistical Master Files, 1996-1998, and the Department of Finance: 1997 Race/Ethnic Population by County with Age and Sex Detail, June 1999. Race-specific infant mortality data were obtained from the Department of Health Services: Birth Cohort-Perinatal Outcome Files, 1994-1996.

Healthy People 2000 Objectives U.S. Department of Health and Human Services. Healthy People 2000: National Health Promotion and Disease Prevention Objectives for the Nation. Washington, D.C.: Public Health Services, DHHS Pub. No. (PHS) 91-50212, 1991.

Healthy People 2010 (Conference Edition): U.S. Department of Health and Human Services. National Health Promotion and Disease Prevention Objectives for the Nation. Washington, D.C.: Public Health Service, 2000.

Data Limitations

The data used to generate this report are limited by the following:

1. ***Underreporting of cases***: The proportion of diagnosed cases of reportable diseases for which notification does not occur varies for each disease.
2. ***Incomplete information***: Some case reports lack complete information (e.g., race/ethnicity, address, etc.). Thus, total cases in stratified tables and figures may be fewer than total overall county cases.
3. ***Onset date versus report date***: This report includes some cases reported during calendar year 1999 but with illness onset dates in 1998. Similarly, some 1998 cases may not have been reported until 1999. Slight differences in the number of cases and rates of disease in 1999 may be observed in subsequent annual health status reports. Any such disparities are likely to be small.
4. ***Places of acquisition of infection***: Diseases reported in San Diego County may have been acquired outside the county. Thus, certain disease rates may reflect the place of diagnosis rather than the location where infection was acquired.
5. ***Geographic rates***: As discussed previously, population data used as the denominators for rates by geographic location are based on census tracts and aggregated to zip code areas since communicable disease and death data are primarily reported by zip code of residence. For calculation of rates, the zip code was used to obtain both the numerator and the denominator from the same population. In certain areas, no approximations could be made. Regional specifications could not be identified for some cases due to unknown or unavailable zip code data. Readers of this document should acknowledge that geographic variables may change and that this may contribute to changes in cases of morbidity and mortality by regions over time.

Definitions

Annual incidence: The number of new cases in 1999 divided by the 1999 county population estimate multiplied by 100,000.

Births to adolescents: Number of births to teenagers 15-17 years old per 1,000 females ages 15-17 per year.

Case Fatality: The number of deaths in 1999 due to the disease (when data were available) divided by the number of new cases of the disease in 1997. Note that deaths may be due to infections acquired prior to 1999.

Consensus Health Indicators: To address both the requirements of the Year 2000 Health Objectives Planning Act and Objective 22.1 of Healthy People 2000, a consensus set of 18 health status indicators has been developed to assist communities in assessing their general health status and in focusing local, state, and national efforts in tracking the year 2000 objectives. Refer to MMWR July 12, 1991/Vol. 40/ No. 27.

Death (mortality) rate: Death rates are per 100,000 population. The age-adjusted death rate is the hypothetical rate that the Region/County/State would have if its population were distributed by age in the same proportions as the 1940 United States population.

A consistent use of the consensus set of health status indicators has been facilitated by reference to the causes of mortality coded according to the International Classification of Diseases, Ninth Revision (ICD-9):

Heart disease.....	391-398.9, 402, 404-429.9
Coronary heart disease.....	402, 410-414, 429.2
Cerebrovascular disease (Stroke).....	430-438
Lung cancer.....	162.2-162.9
Breast cancer (female).....	174
COPD.....	490-496
Diabetes.....	250
Drug-related.....	292, 304, 305.2-305.9, E850-E858, E950-E950.5, E962.0, E980.0-E980.5
Motor vehicle crashes.....	E810-E825
Suicide.....	E950-E959
Homicide.....	E960-E969
Firearm injuries.....	E922.0-E922.3, E922.8-E922.9, E955.0-E955.4, E965.0-E965.4, E970, E985.0-E985.4
Unintentional injuries.....	E800-E949
All cause mortality.....	001-E999

The cardiovascular disease health indicator has been divided into coronary heart disease and cerebrovascular disease (stroke), because Year 2000 National Health Objectives have been separately established for these two diagnostic groups.

Etiology: The causative agent of disease, e.g., bacterium, parasite, virus, etc.

Infant mortality: Infant deaths are deaths that occurred during the first year of life. Number of infant birth rates and infant death rates are expressed as rates per 1,000 live births. Infant death rates show the true risk of dying and allow direct comparisons between areas of interest.

Low birthweight: Birthweight less than 2,500 grams or 5.5 pounds for live births.

Morbidity Rates: Morbidity rates are calculated by dividing the number of events by the county population estimate for the specified year, multiplied by 100,000. Regional rates, San Diego County rates, and California rates reflect incidence.

Number of cases: The number of new cases of the disease with an onset in 1999; if the onset was unknown, the date of report was used.

Inadequate Prenatal Care: Prenatal care not begun during the 1st trimester of pregnancy or no prenatal care.

Prevention: A description of county programs or actions taken to control the occurrence of a specific disease.

Race/Ethnicity: Persons were classified into the following mutually exclusive race/ethnicity categories: White, Hispanic, Black, Asian and Other. Persons of Hispanic origin were classified as Hispanic regardless of racial identification. All other groups do not include Hispanics in their enumeration. Asian and Others include Asians, Pacific Islanders, and Native Americans to include American Indian, Alaskan Native and Aleuts. Racial/ethnic assignments were based on self-identification.

Race-specific rates: Estimates were available from SANDAG for the four race/ethnic groups and were based on the 1990 U.S. census using SANDAG's non-census year population estimates.

For certain conditions and certain racial/ethnic groups, the number of events may be quite small. Caution should be taken when interpreting rates calculated from small numbers due to the instability of resulting rates. The National Center for Health Statistics (NCHS) recommends not using rates when the frequency is less than 20. Race-specific rates are expressed as rates per 100,000.

Stratified Data: Information stratified by age, sex, race/ethnicity, seasonality, trends in disease incidence and geographic location may be presented. In calculating rates, cases of unknown race/ethnicity, age, or geographic area are allocated among the categories in proportion to the relative number of known in the categories. Following guidelines by the Centers for Disease Control and Prevention, category-specific disease incidence rates are not given when over 25% of cases cannot be classified among the known categories.

Syphilis: Syphilis cases include primary and secondary syphilis.

Year 2000 Objectives: National target for lowering disease incidence (adjusted to year 1940 population standards) by the year 2000. Objectives were established by the U.S. Public Health Service.

Year 2010 Objectives: National target for lowering disease incidence (adjusted to year 2000 population standards) by the year 2010. Objectives were established by the U.S. Public Health Service.

CRUDE RATES and AGE-ADJUSTED RATES

An unstandardized rate (usually referred to as a “crude rate”) is obtained by dividing the total number of vital events (e.g. deaths) by the total population at risk, then multiplying by some convenient basis (e.g. 100,000). Subpopulations with varying age compositions can have highly disparate death rates, since the risk of dying is primarily a function of age. Therefore, areas with a large elderly population tend to have a high death rate simply because the risk of dying is determined mostly by age. The effects of different age composition among areas can be removed from the county death rates by the process of “age-adjustments,” which allows a more direct comparison with the Year 2000 National Objectives and the Year 2010 National Objectives.

Age-adjusted death rates are the hypothetical rates obtained by calculating age-specific rates and multiplying these rates by the proportions of the same age categories in a “standard population”, then summing the apportioned specific rates to a county total. The “standard population” used in the age-adjusted county death rates in this report is the 1940 United States Standard Million Population. The age-adjusted rates allow San Diego County and regions to be comparable with respect to the effect of age to other area comparisons. It is important to understand that age-adjusted death rates should be viewed as constructs or index numbers rather than as actual measures of the risk of mortality. Crude death rates, which include the effect of age, are the rates that should be applied when measuring the actual risk of dying in a specific population.

In the report, the 1940 U.S. population was used as the “standard population” because the national objectives in Healthy People 2000 are based on the 1940 U.S. population. The use of an agreed upon standard population permits direct comparisons with both national and the year 2000 Objectives. Healthy People 2010 Objectives use year 2000 standard million population, which will generally result in higher adjusted mortality rates.

Data for the morbidity tables were not age-adjusted. Although age and aging do impact morbidity, the effect is not as prominent as its impact on mortality.

Birth cohort infant death rates are also not age-adjusted. Since the deaths are linked to the state’s birth data on a record by record basis, these rates are based on a numerator (deaths) and a denominator (births) from the same record. Age-adjusting is not applicable to these data. Comparisons among counties reflect the actual risk of dying within one year of birth in the cohort of births, and at the same time, are unaffected by confounding of different age compositions because the cohorts are all of the same age (under one year).

RELIABILITY OF RATES

All vital statistics rates, including morbidity rates, are subject to random variation. This variation is inversely related to the number of events (e.g. death) used to calculate the rate. The smaller the frequency of occurrence of an event, the greater the likelihood of random fluctuations within a specified time period. The more rare an event, the relatively less stable its occurrence from observation. As a consequence, areas with only a few deaths, or a few cases of morbidity, can have highly unstable rates from year to year.

For appropriate statistical methodologies in comparing independent rates or percentages, please see NCHS reports listed in the Bibliography by Curtin and Klein² on “Direct Standardization” and by Kleinman³ on “Infant Mortality.”

² Curtin LR, Klein RJ. Direct Standardization (Age-Adjusted Death Rates), Healthy People 2000 Statistical Notes. National Center for Health Statistics, DHHS Pub. No. (PHS) 95-1237, March 1995; No. 6-Revised.

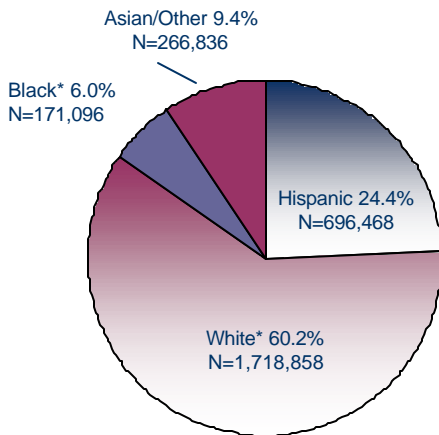
³ Kleinman JC. Infant Mortality. Healthy People 2000 Statistical Notes. National Center for Health Statistics, DHHS Pub. No. (PHS) 92-1237, Winter 1991; Vol. No.2.

San Diego County

1999 Population: 2,853,258

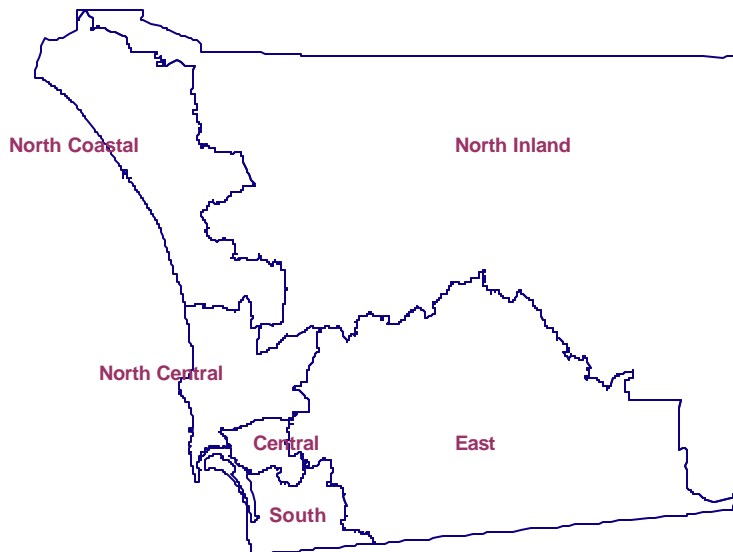
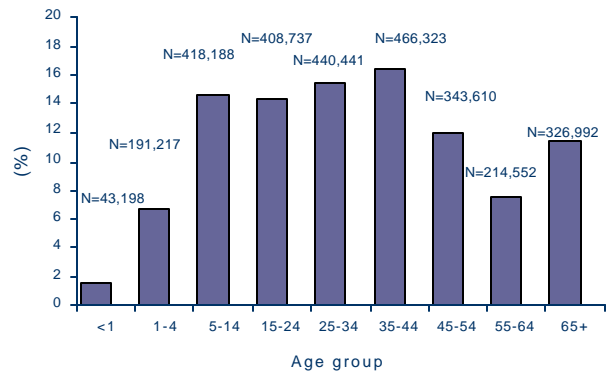
Demographic Characteristics

Figure 1. Population estimates by race/ethnicity.



* Non-Hispanic

Figure 2. Population estimates by age.



CENTRAL

Central San Diego
Southeast San Diego
Mid City

NORTH CENTRAL

Peninsula
Kearny Mesa
Coastal
University
Del Mar/Mira Mesa
Miramar
Elliott Navajo

SOUTH

Coronado
National City
Sweetwater
Chula Vista
South Bay

NORTH COASTAL

Carlsbad
Encinitas
Oceanside
Pendleton
Vista

EAST

Jamul
Spring Valley
Lemon Grove
La Mesa
El Cajon
Santee
Lakeside
Harbison Crest
Alpine
Laguna/Pine Valley
Mountain Empire

NORTH INLAND

North San Diego
Poway
Ramona
Escondido
San Marcos
Valley Center
Pauma
Fallbrook
Palomar/Julian
Anza-Borrego Springs

Central Region

1999 Population: 471,674

Demographic and Economic Characteristics

Figure 1. Population estimates by race/ethnicity.

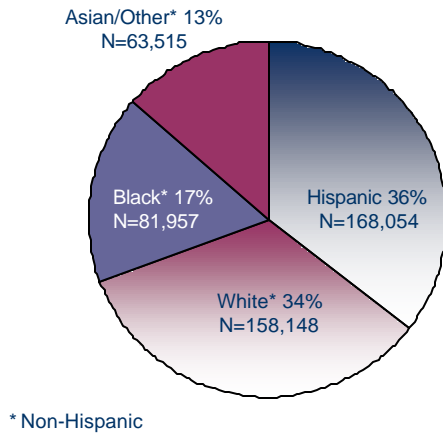


Figure 2. Population estimates by age.

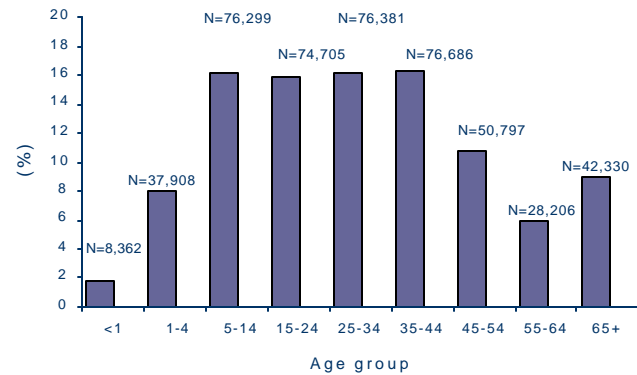


Figure 3. Household income estimates.

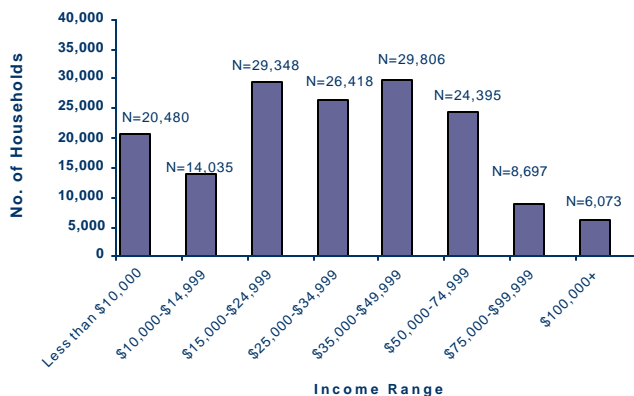
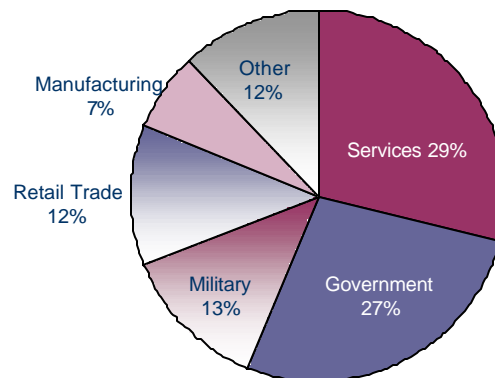


Figure 4. Estimates of employment by industry.



Note: Other category includes agriculture and mining, construction, transportation, communication, wholesale trade, finance, insurance, and real estate.

Source: Controlled to State of California Employment Development Dept. estimates of self-employed and domestic workers and average annual employment by industry for the San Diego region. This excludes self-employed and domestic workers.

East Region

1999 Population: 466,380

Demographic and Economic Characteristics

Figure 1. Population estimates by race/ethnicity.

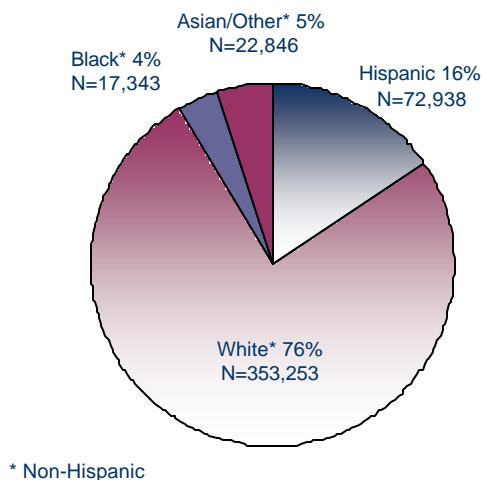


Figure 2. Population estimates by age.

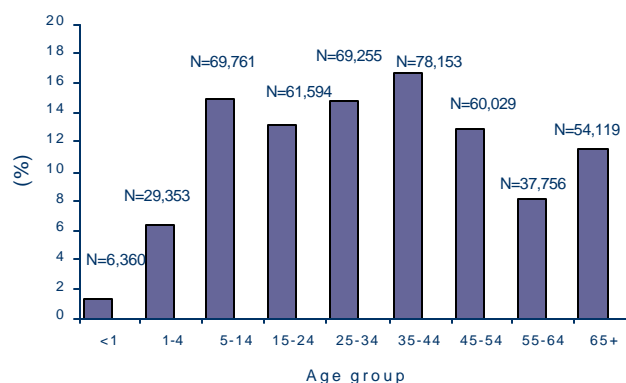


Figure 3. Household income estimates.

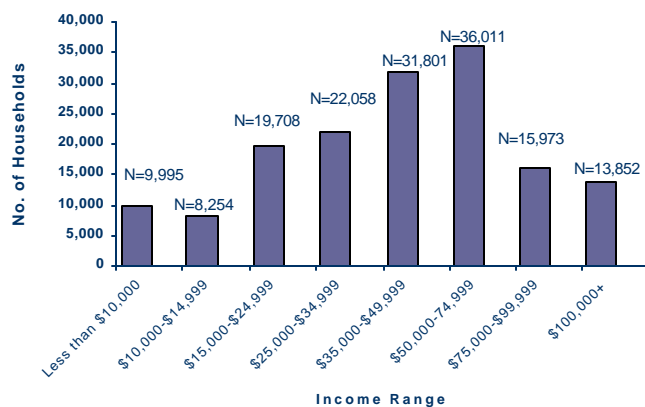
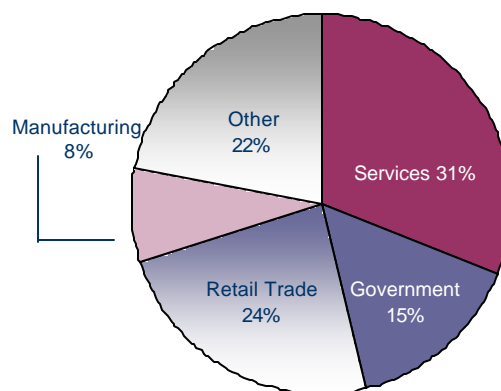


Figure 4. Estimates of employment by industry.



Note: Other category includes agriculture and mining, construction, transportation, communication, wholesale trade, finance, insurance, and real estate.

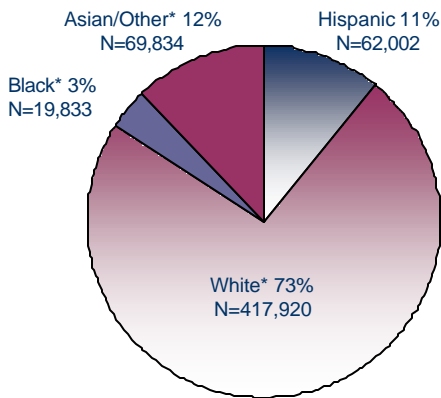
Source: Controlled to State of California Employment Development Dept. estimates of self-employed and domestic workers and average annual employment by industry for the San Diego region. This excludes self-employed and domestic workers.

North Central Region

1999 Population: 569,589

Demographic and Economic Characteristics

Figure 1. Population estimates by race/ethnicity.



* Non-Hispanic

Figure 2. Population estimates by age.

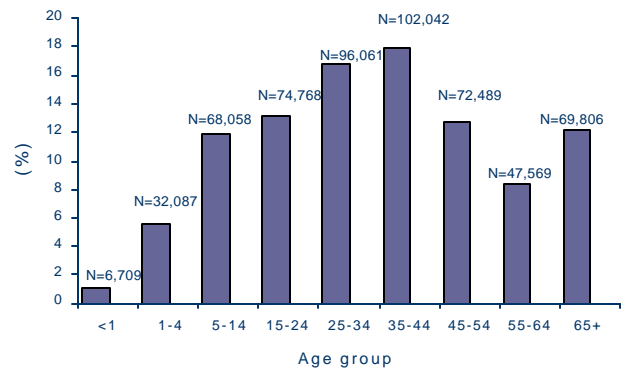


Figure 3. Household income estimates.

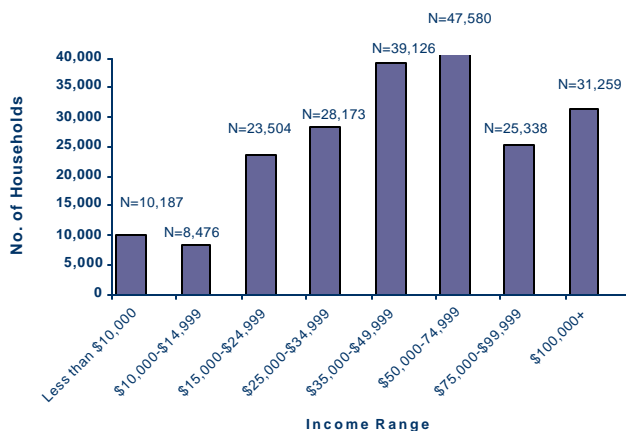
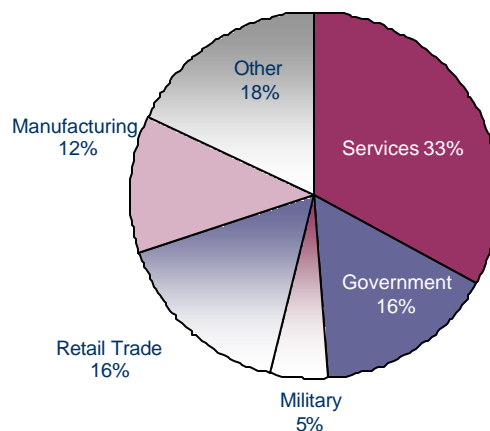


Figure 4. Estimates of employment by industry.



Note: Other category includes agriculture and mining, construction, transportation, communication, wholesale trade, finance, insurance, and real estate.

Source: Controlled to State of California Employment Development Dept. estimates of self-employed and domestic workers and average annual employment by industry for the San Diego region. This excludes self-employed and domestic workers.

North Coastal Region

1999 Population: 472,027

Demographic and Economic Characteristics

Figure 1. Population estimates by race/ethnicity.

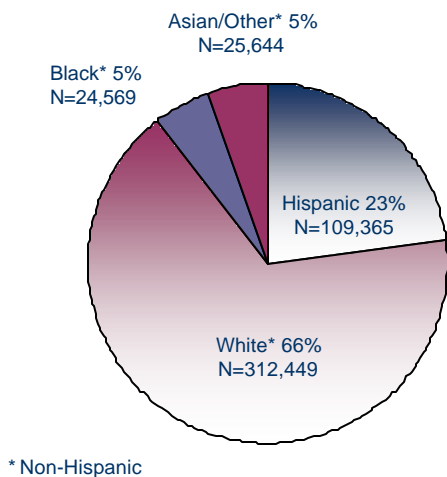


Figure 2. Population estimates by age.

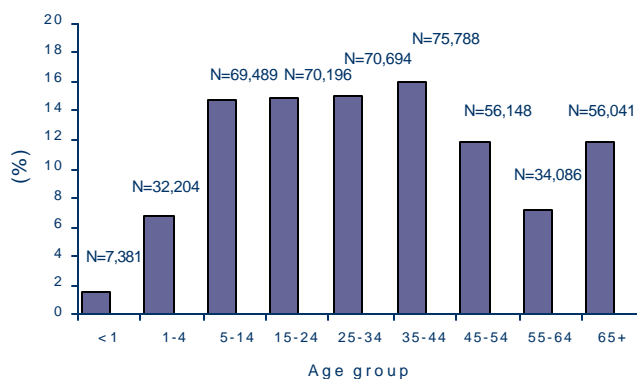


Figure 3. Household income estimates.

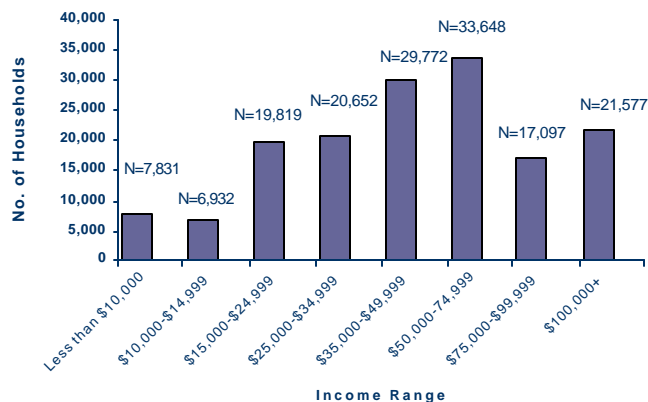
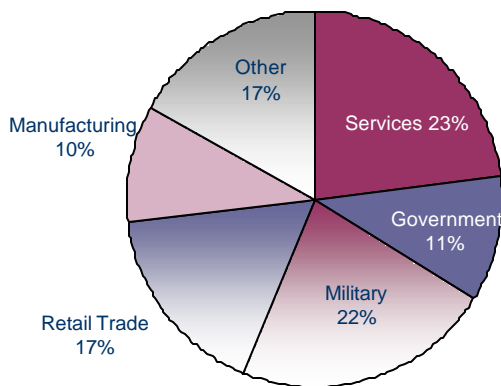


Figure 4. Estimates of employment by industry.



Note: Other category includes agriculture and mining, construction, transportation, communication, wholesale trade, finance, insurance, and real estate.

Source: Controlled to State of California Employment Development Dept. estimates of self-employed and domestic workers and average annual employment by industry for the San Diego region. This excludes self-employed and domestic workers.

North Inland Region

1999 Population: 482,099

Demographic and Economic Characteristics

Figure 1. Population estimates by race/ethnicity.

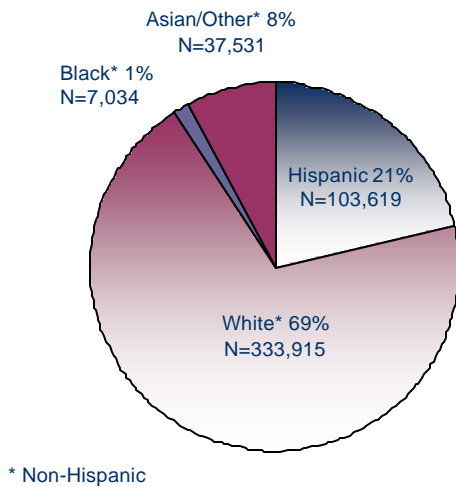


Figure 2. Population estimates by age.

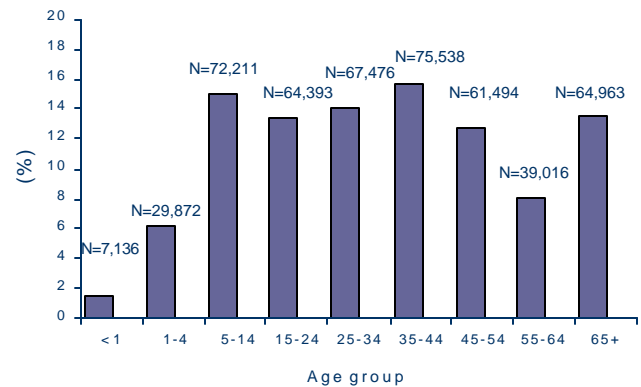


Figure 3. Household income estimates.

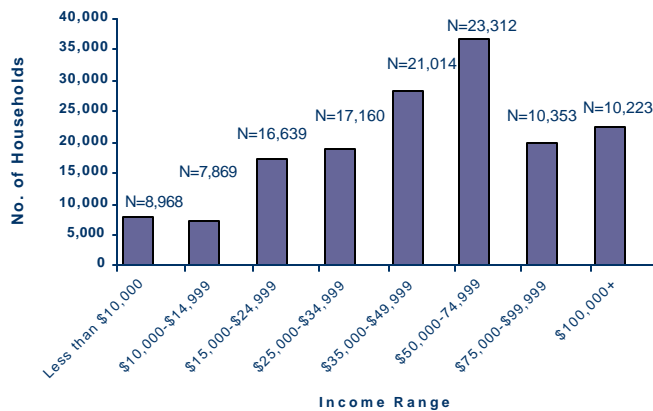
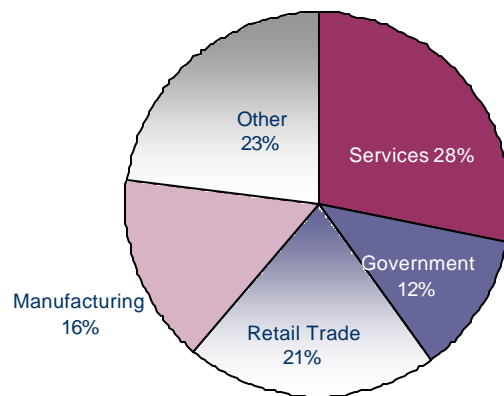


Figure 4. Estimates of employment by industry.



Note: Other category includes agriculture and mining, construction, transportation, communication, wholesale trade, finance, insurance, and real estate.

Source: Controlled to State of California Employment Development Dept. estimates of self-employed and domestic workers and average annual employment by industry for the San Diego region. This excludes self-employed and domestic workers.

South Region

1999 Population: 391,489

Demographic and Economic Characteristics

Figure 1. Population estimates by race/ethnicity.

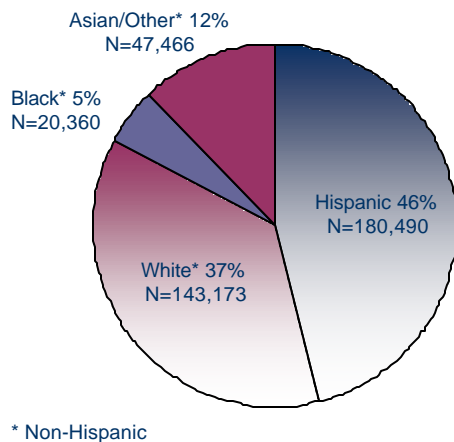


Figure 2. Population estimates by age.

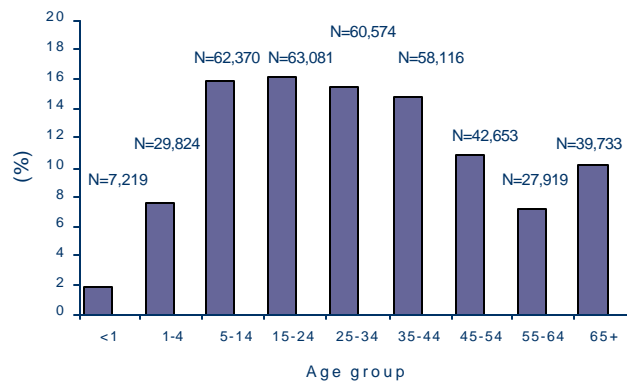


Figure 3. Household income estimates.

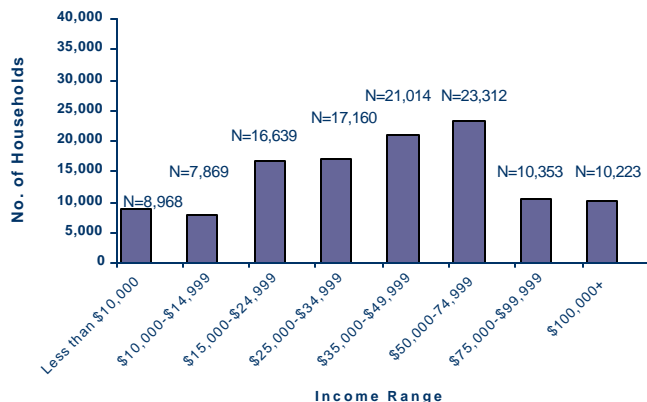
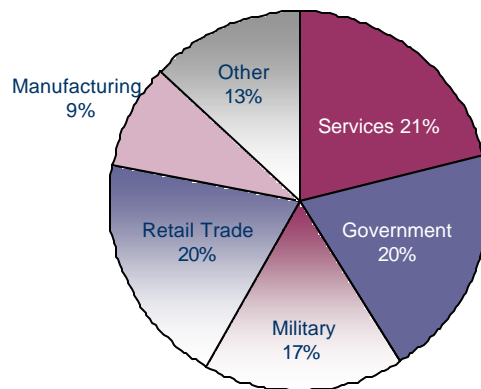


Figure 4. Estimates of employment by industry.



Note: Other category includes agriculture and mining, construction, transportation, communication, wholesale trade, finance, insurance, and real estate.

Source: Controlled to State of California Employment Development Dept. estimates of self-employed and domestic workers and average annual employment by industry for the San Diego region. This excludes self-employed and domestic workers.

San Diego County Health Indicators

Status Comparison to California, National, and Healthy
People 2000 and 2010 Objectives



Table 1. Summary of selected **health indicators**, San Diego County, California, with status comparison to State, National and Healthy People 2000 and 2010 Objectives.

SUMMARY of SELECTED HEALTH INDICATORS						
INDICATORS OF HEALTH STATUS OUTCOME	RATES					
	San Diego County⁶	Status	CA⁴	United States¹	Healthy People 2000¹	Healthy People 2010²
Infant mortality rate as measured by rate (per 1,000) live births among infants less than one year of age (1998)	5.2 ^{6,7}	●	6.4	7.2	7.0	4.5
1998 Deaths per 100,000 population (age-adjusted mortality rates)						
Heart disease	100.3	Not applicable	109.8	126.6	None established	None established
Coronary Heart Disease	84.0	●	93.9	135.0	100.0	166.0
Cerebrovascular disease (Stroke)	22.2	○	25.3	30.3	20.0	48.0
Lung cancer	27.3	●	30.0	37.9	42.0	44.8
Breast cancer (female)	19.4	●	18.3	27.7	20.6	22.2
Asthma	1.2	Not applicable	1.5	None established	None established	Overall rate Not established
Chronic obstructive pulmonary disease (COPD)	22.0	●	21.5 ⁹	18.7	25.0	18.0
Diabetes	7.8	●	12.0 ⁹	38.0	34.0	45.0
Drug-related	7.6	○	7.5	3.8	3.0	6.0
Motor vehicle crashes	9.4	●	11.4	15.9	14.2	9.0
Suicide	10.1	●	9.4	0.6	10.5	6.0
Homicide	3.9	●	9.0	8.0	7.2	3.2
Firearm injuries	7.0	●	11.6	12.9	11.6	4.9
Unintentional injuries	21.9	●	24.2	34.5	29.3	20.8
All cause mortality	388.5	Not applicable	425.4 ⁹	471.7 ⁹	None established	None established

Note: Healthy People 2010 Goals are age-adjusted to the 2000 population. Other data and Healthy People 2000 Goals are age-adjusted to the 1940 population. Superscripted numbers indicate references used (see page 36).

- San Diego County met Healthy People 2000 objectives, ○ Healthy People 2000 objectives not met.

Table 1. Summary of selected health indicators, San Diego County, California, with status comparison to State, National and Healthy People 2000 and 2010 Objectives – Contd.

SUMMARY of SELECTED HEALTH INDICATORS						
INDICATORS OF HEALTH STATUS OUTCOME		RATES				
1999 Reported incidence per 100,000 population						
	San Diego County	Status	CA	United States ¹	Healthy People 2000 ¹	Healthy People 2010 ²
AIDS	17.5 ¹¹	●	17.3 ⁴	19.5	43.0	1.0
Measles	0.04 ¹²	○	0.08 ⁴	0.03	0.0	0.0
Tuberculosis	10.4 ¹³	○	12.4 ⁴	6.8	3.5	1.0
Syphilis (primary and secondary)	0.9 ¹⁴	●	1.2 ⁴	3.2	4.0	0.2
Hepatitis A	9.7 ³	●	9.9 ⁵	31.0	23.0	4.5
Campylobacter	14.4 ³	●	15.5 ⁵	50.0	25.0	12.3
Salmonella	12.8 ³	●	12.0 ⁵	18.0	16.0	6.8
Shigella	7.7 ³	Not applicable	6.8 ⁵	Not available	None established	None established
Giardia	16.0 ³	Not applicable	10.9 ⁵	Not available	None established	None established
INDICATORS OF RISK FACTORS						
	San Diego County	Status	CA ⁴	United States ¹	Healthy People 2000 ¹	Healthy People 2010 ²
Incidence of low birthweight (1996-98)	5.9.% ¹⁰	○	6.1%	7.6%	5.0%	5.0%
Births to females 15-17 years old per 1,000 adolescents (1996-98)	32.3 ¹⁰	●	57.2	72.0	50.0	46.0
Percentage of mothers delivering infants who did not receive prenatal care in the first trimester (1998)	21.2 ^{7,8}	○	18.4	17.0	10.0	10.0
Child poverty as measured by the proportion of children less than 18 years of age living in families at or below poverty level	16.0% ¹⁵	Not applicable	18.2% ¹⁶	19.9% ¹⁵	None established	None established

Note: Healthy People 2010 Goals are age-adjusted to the 2000 population. Other data and Healthy People 2000 Goals are age-adjusted to the 1940 population. Superscripted numbers indicate references used (see page 36).

- San Diego County met Healthy People 2000 objectives. ○ Healthy People 2000 objectives not met.

Regional Health Indicators

Status Comparison to Healthy People 2000



Table 2. Summary of selected **regional health indicators**, San Diego County, California, with status comparison to Healthy People 2000 Objectives.

REGIONAL HEALTH INDICATORS								
INDICATORS OF HEALTH STATUS OUTCOME	RATES by REGION							
	Central	East	North Central	North Coastal	North Inland	South	San Diego County⁶	HP 2000¹
Infant mortality rate as measured by rate (per 1,000) live births among infants less than one year of age (1998)	6.4	5.3	4.9	6.2	5.0	3.5	5.2 ^{6,7}	7.0
1998 Deaths per 100,000 population⁶ (age-adjusted mortality rates)								
Heart disease**	127.7	107.0	89.0	89.1	82.6	120.1	100.3	None established
Coronary heart disease	110.8	91.1	78.3	73.0	66.8	103.0	84.0	100.0
Cerebrovascular disease (Stroke)	29.5	23.7	18.5	19.3	21.2	22.4	22.2	48.0
Lung cancer	31.1	35.6	22.0	26.8	23.2	27.1	27.3	42.0
Breast cancer (female)	18.0	17.9	17.0	20.3	23.7	18.3	19.4	20.6
Asthma	2.7	0.3	0.9	1.1	1.1	0.9	1.2	None established
Chronic obstructive pulmonary disease (COPD)	25.2	30.1	15.7	23.6	21.2	16.9	22.0	18.0
Diabetes	11.0	8.5	7.2	5.4	6.4	10.2	7.8	34.0
Drug-related	12.8	6.4	5.2	7.1	4.4	7.1	7.6	3.0
Motor vehicle crashes	7.6	11.6	6.4	7.8	13.7	7.9	9.4	14.2
Suicide	12.9	9.1	10.5	11.5	7.0	8.4	10.1	10.5
Homicide	6.8	4.5	1.8	4.0	2.1	3.7	3.9	7.2
Firearm injuries	9.3	6.6	6.1	8.5	5.1	5.9	7.0	11.6
Unintentional injuries	23.7	23.5	15.9	19.7	24.2	19.7	21.9	29.3
All cause mortality	473.6	432.3	333.4	347.4	350.1	411.6	388.5	None established

Note: Regional mortality rates and Healthy People 2000 objectives are age-adjusted to the 1940 population.

Superscripted numbers indicate references used (see page 36).

Highlighted cells indicate regions **did not** meet Healthy People 2000 Objectives.

****** Healthy People 2000 objectives not established for this indicator, comparisons were not done.

Table 2. Summary of selected **regional health indicators**, San Diego County, California, with status comparison to Healthy People 2000 Objectives - Contd.

REGIONAL HEALTH INDICATORS								
INDICATORS OF HEALTH STATUS OUTCOME	RATES							
1999 Reported incidence per 100,000 population								
	Central	East	North Central	North Coastal	North Inland	South	San Diego County	HP 2000 ¹
AIDS	50.9	7.1	7.0	7.0	5.4	13.3	17.5 ¹¹	43.0
Measles	0.0	0.0	0.0	0.0	0.2	0.0	0.04 ¹²	0.0
Tuberculosis	11.2	6.0	13.3	5.1	8.3	19.7	10.4 ¹³	3.5
Syphilis (primary and secondary)	3.2	0.6	0.2	0.2	0.2	1.0	0.9 ¹⁴	10.0
Hepatitis A	17.6	7.5	5.6	8.3	8.9	10.7	9.7 ³	4.5
Campylobacter	14.4	13.5	14.0	9.1	16.0	19.2	14.4 ³	12.3
Salmonella	10.8	10.3	12.8	16.7	11.0	12.3	12.8 ³	6.8
Shigella**	14.0	4.7	5.6	5.1	6.8	10.7	7.7 ³	None established
Giardia**	33.5	13.9	16.5	9.7	14.1	5.6	16.0 ³	None established
INDICATORS OF RISK FACTORS								
	Central	East	North Central	North Coastal	North Inland	South	San Diego County	HP 2000 ¹
Incidence of low birthweight (1996-98)	6.6%	6.1%	5.8%	5.6%	5.5%	5.5%	5.9% ¹⁰	5.0%
Births to females 15-17 years old per 1,000 adolescents (1996-98) ¹⁰	53.2	25.3	13.3	34.5	25.3	42.8	32.3 ¹⁰	50.0
Percentage of mothers delivering infants who did not receive prenatal care in the first trimester (1998)	26.4	14.8	10.1	25.2	20.2	20.6	21.2 ^{7,8}	10.0
Child poverty as measured by the proportion of children less than 18 years of age living in families at or below poverty level**	32.0%	12.0%	8.0%	12.0%	12.0%	20.0%	21.6% ¹⁵	None established

Note: Regional mortality rates and Healthy People 2000 objectives are age-adjusted to the 1940 population. Superscripted numbers indicate references used (see page 36).

Highlighted cells indicate regions **did not** meet Healthy People 2000 Objectives.

** Healthy People 2000 objectives not established for this indicator, comparisons were not done.

San Diego County Health Indicators

Status Comparisons by Race/Ethnicity



Table 3. Selected **county-wide** health indicators by race/ethnicity, San Diego County, CA.

SELECTED COUNTY HEALTH INDICATORS					
INDICATORS OF HEALTH STATUS OUTCOME	RATES by RACE/ETHNICITY				
		African Americans	Asian/ Pacific Islanders and Others	Hispanics	Whites
San Diego County Infant mortality rate as measured by rate (per 1,000) live births among infants less than one year of age (1998) ^{6,7}	5.2	12.3	4.2	4.7	4.6
California infant mortality rate as measured by rate (per 1,000) live births among infants less than one year of age (1996-1998) ⁴	6.4	13.7	5.3	6.0	5.9
Deaths per 100,000 population⁶ (age-adjusted mortality rates)					
	San Diego County	African Americans	Asian/ Pacific Islanders and Others	Hispanics	Whites
Heart disease	100.3	167.8	75.3	74.5	103.1
Coronary heart disease	84.0	139.8	65.4	64.5	86.1
Cerebrovascular disease (Stroke)	22.2	39.6	22.9	20.1	21.3
Lung cancer	27.3	41.1	23.8	10.0	29.8
Breast cancer (female)	19.4	23.3	14.0	13.3	20.6
Asthma	1.2	4.3	0.8	1.0	2.0
Chronic obstructive pulmonary disease (COPD)	22.0	25.7	9.8	7.3	24.9
Diabetes	7.8	19.6	12.6	12.6	6.1
Drug-related	7.6	12.2	2.7	6.0	8.5
Motor vehicle crashes	9.4	9.4	9.0	12.0	8.4
Suicide	10.1	6.2	5.8	5.7	12.1
Homicide	3.9	14.0	4.1	5.0	2.3
Firearm injuries	7.0	11.9	4.9	6.4	6.5
Unintentional injuries	21.9	29.0	13.6	23.0	22.0
All cause mortality	388.5	586.5	305.0	304.1	396.2

Note: Mortality rates by race/ethnicity are age-adjusted to the 1940 population. **Numbers in red** indicate rates higher than the overall San Diego County rate. Superscripted numbers indicate references used (see page 36).

Table 3. Selected **county-wide** health indicators by race/ethnicity, San Diego County, CA – Contd.

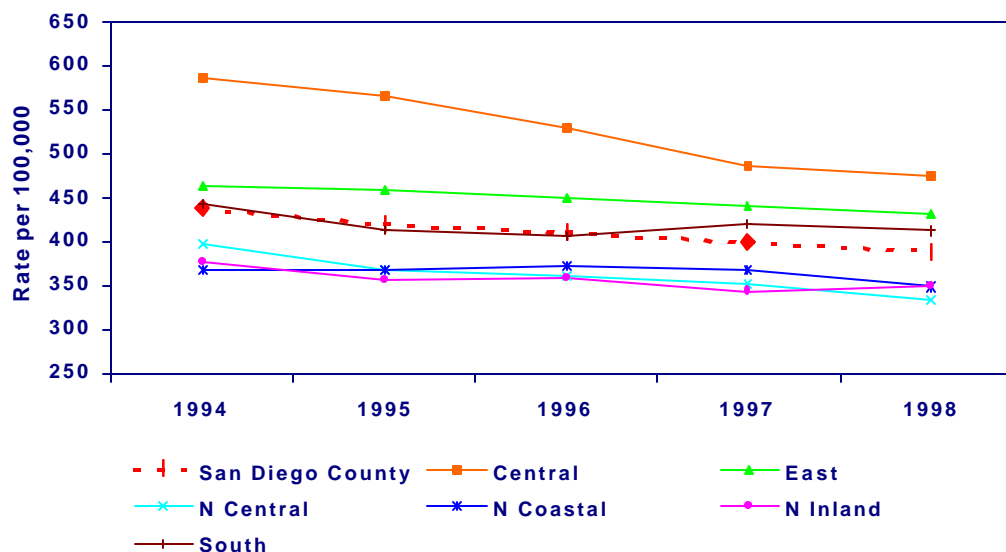
SELECTED COUNTY HEALTH INDICATORS					
INDICATORS OF HEALTH STATUS OUTCOME	RATES by RACE/ETHNICITY				
1999 Reported incidence per 100,000 population					
	San Diego County	African Americans	Asian/ Pacific Islanders and Others	Hispanics	Whites
AIDS ¹¹	17.5	35.1	3.0	20.5	12.4
Measles ¹²	0.04	0.0	0.0	0.1	0.0
Tuberculosis ¹³	10.4	12.3	39.7	19.7	2.0
Syphilis (primary and secondary) ¹⁴	0.9	4.1	0.4	1.3	0.5
Hepatitis A ³	9.7	6.4	6.4	18.8	5.6
Campylobacter ³	14.4	8.2	8.6	19.7	11.4
Salmonella ³	12.8	12.3	7.9	14.9	9.6
Shigella ³	7.7	9.4	5.2	15.7	4.2
Giardia ³	16.0	42.7	12.7	7.6	13.7
INDICATORS OF RISK FACTORS					
	San Diego County	African Americans	Asian/ Pacific Islanders	Hispanics	Whites
Incidence of low birthweight per 1,000 live births (1996-1998) ¹⁰	59.0	103.0	75.7	51.0	58.0
Births to females 15-17 years old or younger per 1,000 adolescents (1998) ^{7,8}	29.0	39.3	14.3	63.8	10.3
Percentage of mothers delivering infants who did not receive prenatal care in the first trimester (1998) ^{7,8}	21.2	24.5	17.0	30.0	12.8
Child poverty as measured by the proportion of children less than 18 years of age living in families at or below poverty level	16.0% ¹⁵	Not available	Not available	Not available	Not available

Note: Mortality rates by race/ethnicity are age-adjusted to the 1940 population. . **Numbers in red** indicate rates higher than the overall San Diego County rate.

Estimated cases and rates were calculated by applying the proportion among those with known race/ethnicity to total cases.

Superscripted numbers indicate references used (see page 36).

Figure 1. All Cause Mortality, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population.

Table 4. All Cause Mortality by Region and Age, 1998

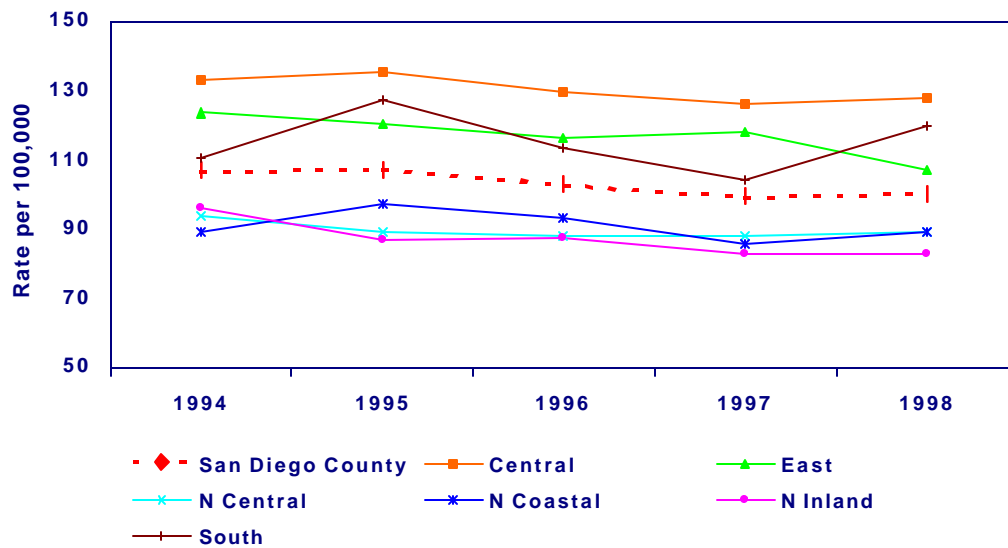
Total Deaths and Age-Specific Rates (100,000 population) by Selected Cause of Death and Region

Source: California Death Statistical Master File, 1998 & SANDAG 1998 Population Estimates (January 1, 1998)

	San Diego County		N. Coastal		N. Central		Central		South		East		N. Inland	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
All Cause Mortality														
Under 1	224	518.7	46	623.0	37	551.5	43	514.0	29	401.3	34	533.9	34	476.9
1-4	42	22.0	7	21.7	2	6.3	9	23.3	6	20.4	7	23.6	11	37.2
5-14	57	14.0	5	7.4	7	10.8	13	17.5	8	13.2	12	17.4	11	15.5
15-24	254	63.7	46	65.1	37	51.3	58	79.3	29	48.0	39	64.7	42	67.5
25-34	331	75.0	39	54.2	38	39.6	86	110.6	47	78.3	63	90.8	42	63.3
35-44	714	155.1	100	133.0	119	120.1	163	214.0	106	185.3	112	144.0	90	120.4
45-54	1164	354.7	147	276.1	191	278.9	245	513.3	146	356.7	235	405.5	178	301.4
55-64	1643	801.9	206	639.9	277	612.4	291	1076.7	266	986.2	345	946.6	239	645.7
65-74	3418	2022.9	515	1848.4	612	1611.3	555	2595.5	489	2263.9	617	2145.5	613	1953.4
75-84	5948	5370.3	1027	5201.3	1182	5216.2	800	5418.2	670	5221.3	1120	6314.5	1129	4904.9
85+	4956	12417.6	824	11763.0	967	14396.3	735	11818.6	526	12078.1	862	13046.8	1029	11423.2
Missing	16	NA	0	NA	1	NA	0	NA	0	NA	0	NA	0	NA
Total *	18767	388.5	2962	347.4	3469	333.4	3002	473.6	2322	411.6	3446	432.3	3418	350.1

Note: While rates have been calculated for all cells, caution should be taken when interpreting rates calculated from small numbers due to the instability of resulting rates. The National Center for Health Statistics (NCHS) recommends not using rates when the frequency is less than 20.

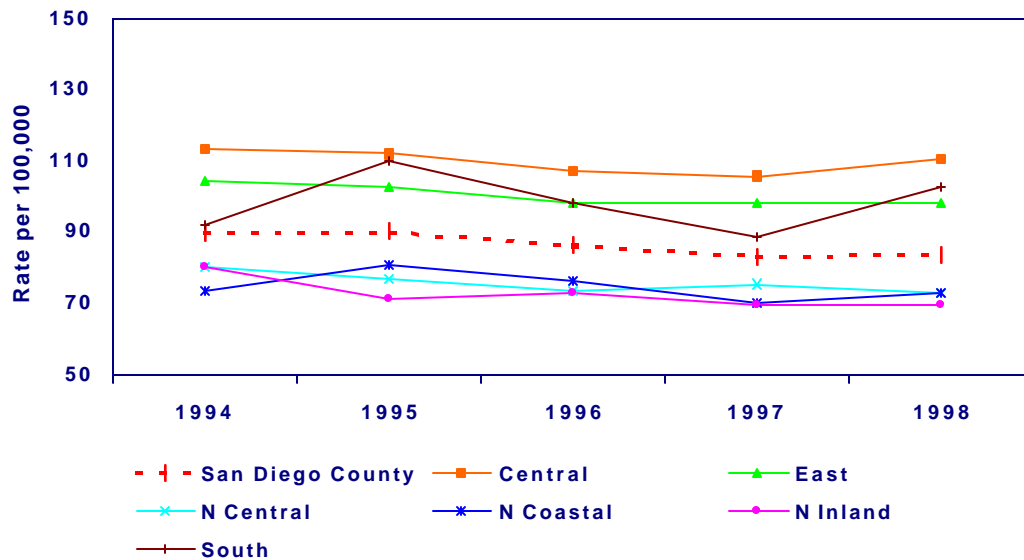
Figure 2. Deaths Due to Heart Disease, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

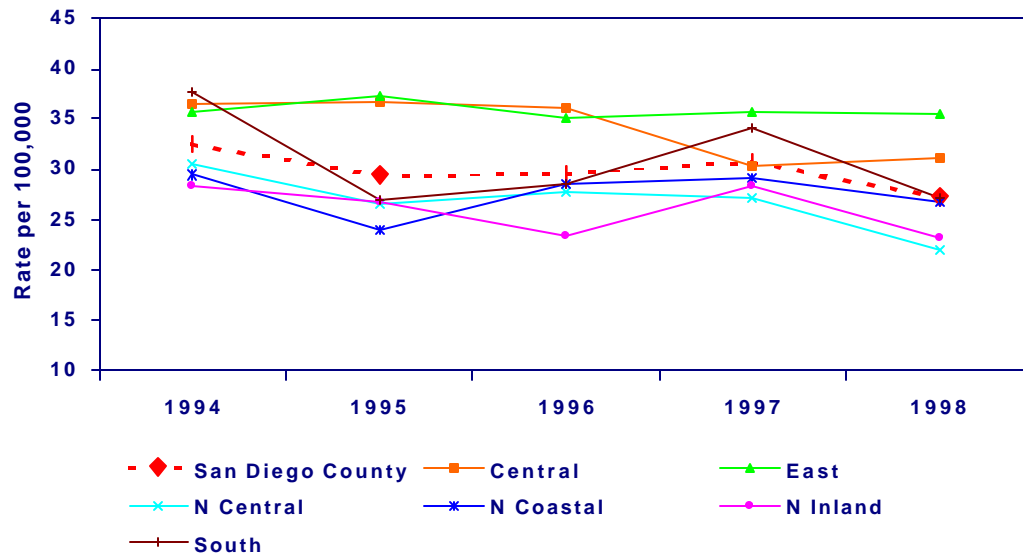
Figure 3. Deaths Due to Coronary Heart Disease, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

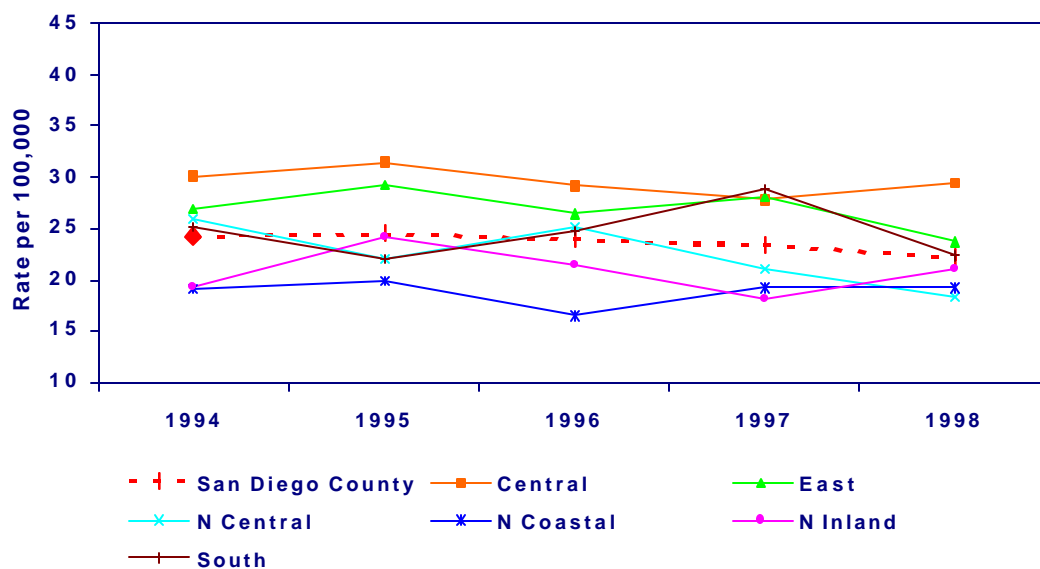
Figure 4. Lung Cancer Deaths, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

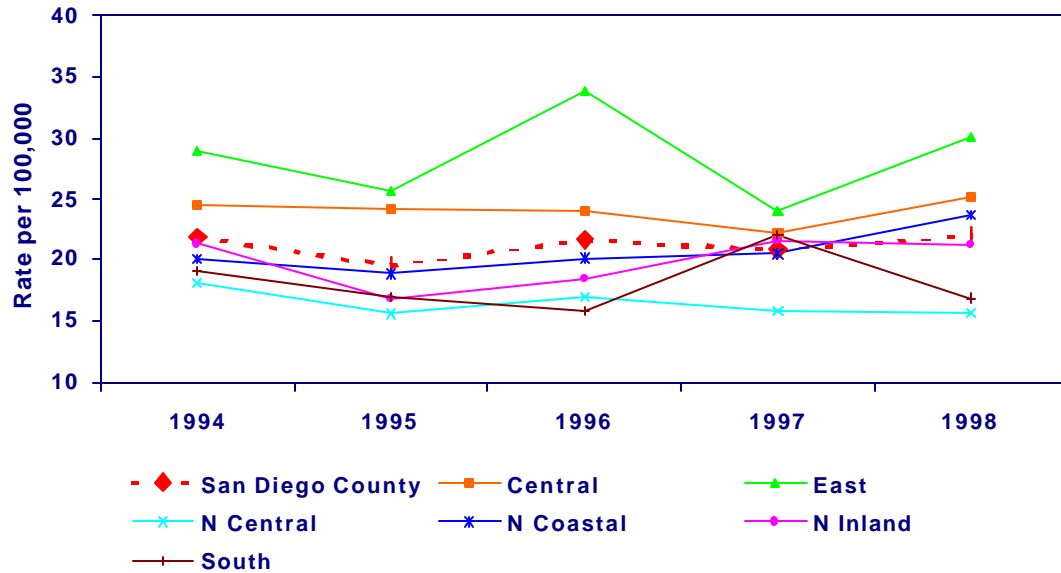
Figure 5. Cerebrovascular Disease (Stroke) Deaths, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

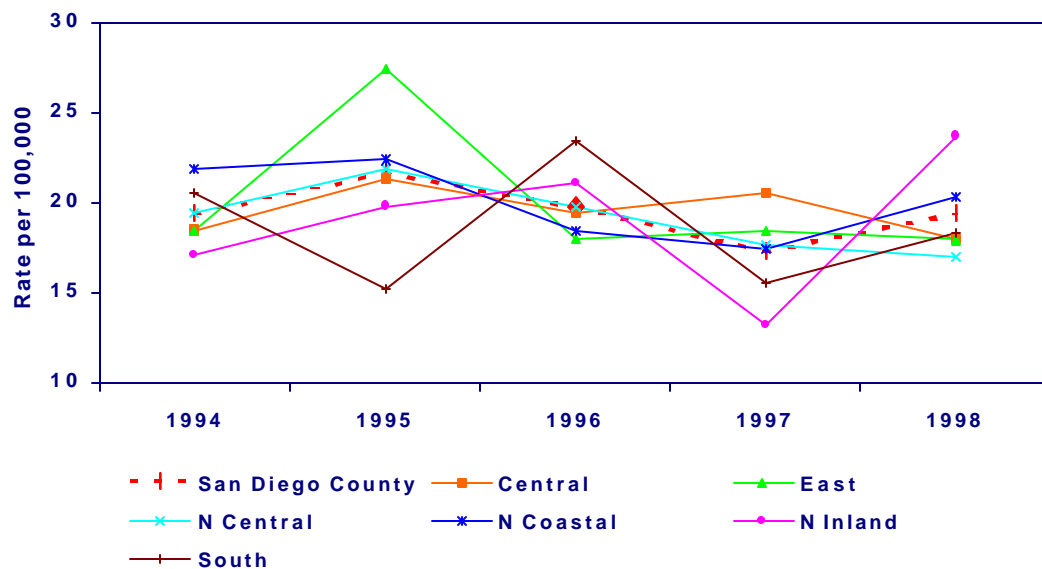
**Figure 6. Chronic Obstructive Pulmonary Disease (COPD)
Deaths, 1994-1998**
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

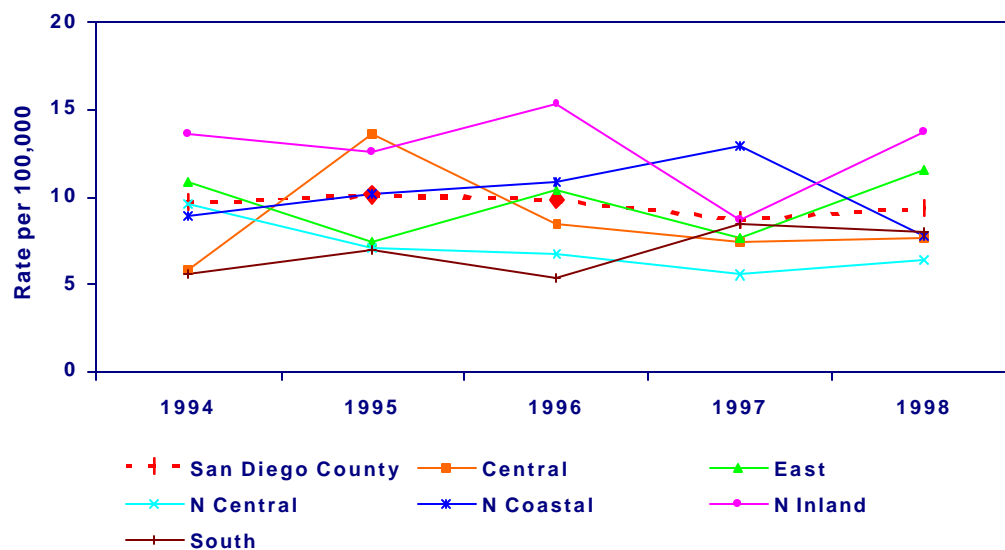
Figure 7. Female Breast Cancer Deaths, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

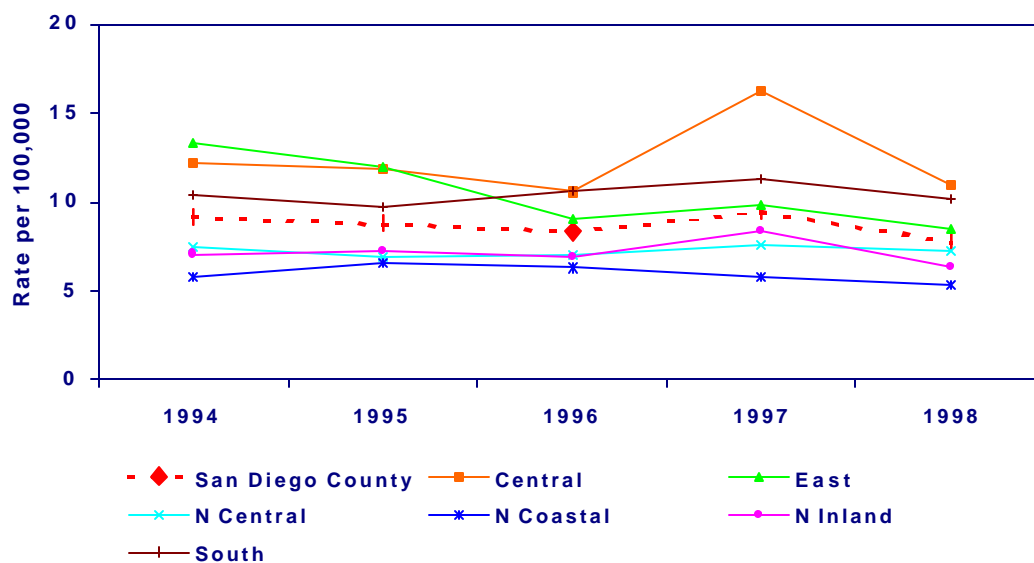
Figure 8. Deaths Due to Motor Vehicle Crashes, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

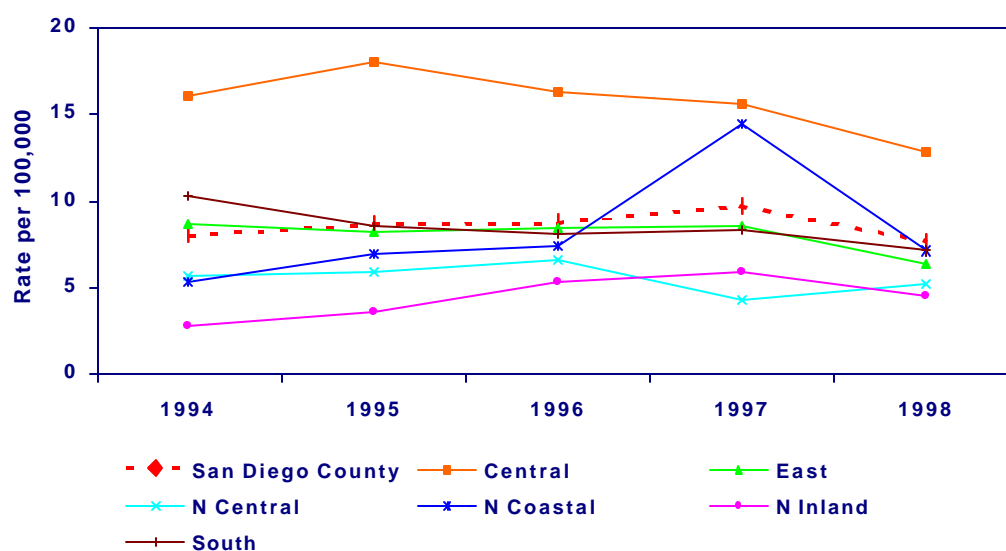
Figure 9. Deaths Due to Diabetes, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

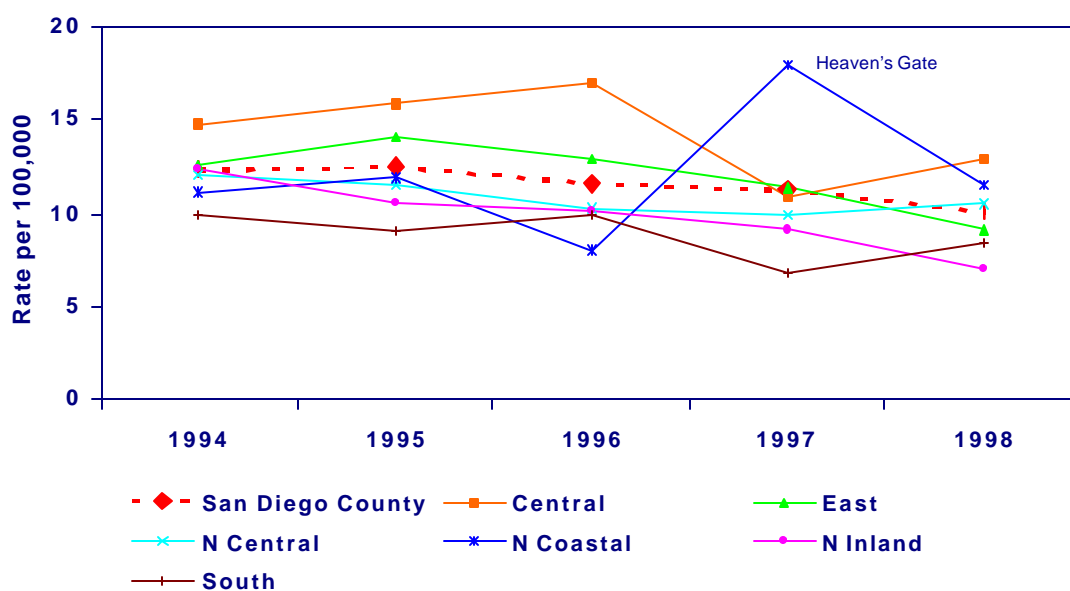
Figure 10. Drug-induced Deaths, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

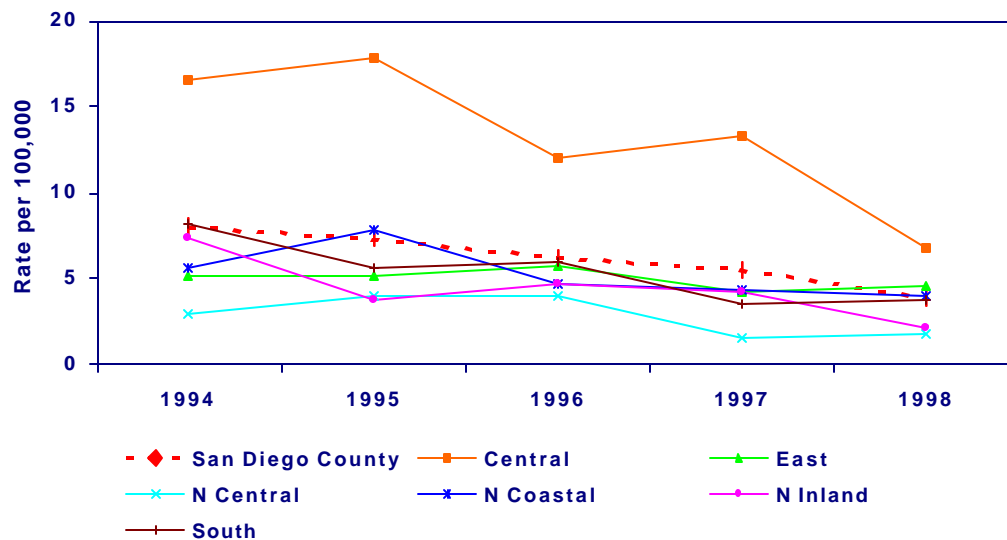
Figure 11. Suicides, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

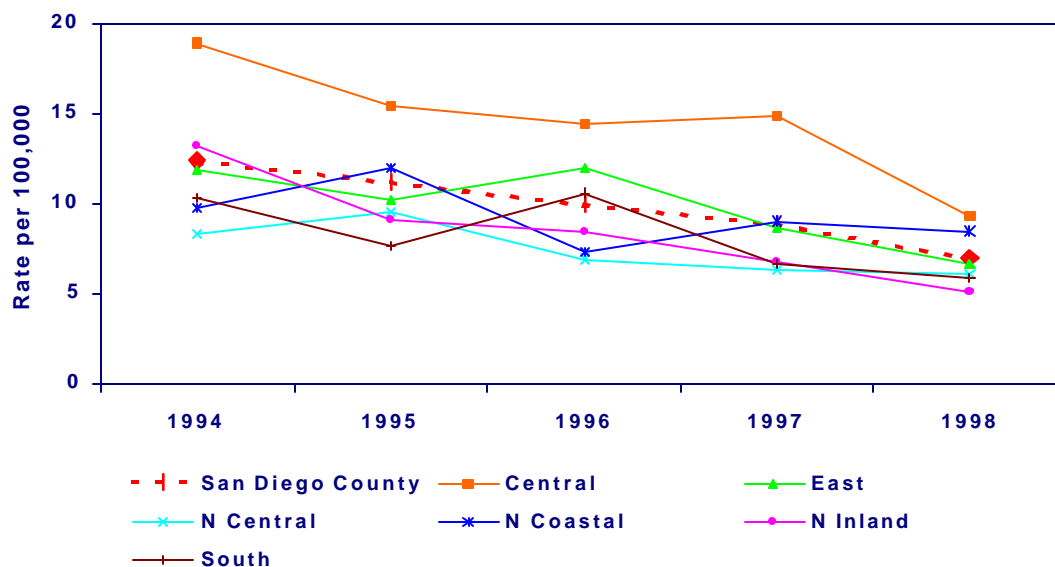
Figure 12. Homicides, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

Figure 13. Firearm-related Deaths, 1994-1998
San Diego County Residents



Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. Standard Population. Records missing zipcode, age or ICD-9 Code information are excluded.

DEATHS AMONG SAN DIEGO COUNTY RESIDENTS, 1994-1998

Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. standard population

Table 5. All Cause Mortality

	1994		1995		1996		1997		1998	
Regional Area		Adjusted		Adjusted		Adjusted		Adjusted		Adjusted
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
San Diego County	18,390	438.0	18,131	420.1	18,391	410.8	18,626	399.6	18,767	388.5
N. Coastal	2,687	366.8	2,785	368.4	2,872	371.2	2,924	366.4	2,962	347.4
N. Central	3,343	398.2	3,332	368.5	3,345	360.2	3,465	350.7	3,469	333.4
Central	3,417	586.5	3,279	565.8	3,149	530.3	3,003	487.2	3,002	473.6
South	2,237	442.9	2,149	414.2	2,193	405.6	2,342	420.4	2,322	411.6
East	3,383	463.7	3,345	457.9	3,356	448.5	3,468	440.6	3,446	432.3
N. Inland	3,175	376.3	3,086	355.7	3,311	359	3,249	342.8	3,418	350.1
Unknown Region*	148	NA	157	NA	165	NA	175	NA	148	NA

* These deaths are not assigned to a region because of missing zipcode or age information.

NA – not applicable

DEATHS AMONG SAN DIEGO COUNTY RESIDENTS, 1994-1998

Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. standard population

Table 6. All Cause Mortality by Region, Race/Ethnicity and Year

	1994		1995		1996		1997		1998	
Regional Area		Adjusted		Adjusted		Adjusted		Adjusted		Adjusted
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
San Diego County										
White	15,139	449.9	14,877	430.0	14,933	418.0	15,127	406.4	15,243	396.2
Black	839	666.6	830	648.8	841	649.4	816	604.2	805	586.5
Hispanic	1,624	328.6	1,671	328.9	1,742	328.1	1,758	313.6	1,780	304.1
Asian/Other	754	327.0	694	283.2	829	317.0	886	321.4	907	305.0
N. Coastal										
White	2,387	371.1	2,487	377.5	2,541	377.6	2,585	374.8	2,599	346.4
Black	42	386.9	50	520.6	49	499.6	60	590.3	50	382.8
Hispanic	182	272.9	204	302.1	213	293.7	194	237.8	212	251.5
Asian/Other	74	376.2	43	221.2	67	316.9	81	359.3	100	397.5
N. Central										
White	2,997	414.1	2,978	380.0	2,941	363.9	3,085	363.2	3,071	340.8
Black	63	529.2	62	549.6	69	540.6	53	425.1	61	480.3
Hispanic	126	245.8	144	256.7	149	274.5	154	257.3	149	235.6
Asian/Other	156	302.1	146	254.9	186	301.2	171	254.8	188	259.5
Central										
White	2,182	676.4	2,063	655.9	1,913	586.5	1,792	544.5	1,855	542.7
Black	575	742.9	569	721.5	551	701.2	539	645.9	485	580.4
Hispanic	448	374.6	426	345.5	443	363.4	421	318.7	443	331.6
Asian/Other	205	350.0	214	356.8	236	374.5	247	367.9	215	300.3
South										
White	1,511	516.3	1,441	478.1	1,394	458.9	1,487	458.6	1,451	460.3
Black	58	551.7	58	511.1	60	536.6	58	502.1	71	610.0
Hispanic	512	352.8	498	334.4	566	354.4	586	360.8	595	351.3
Asian/Other	156	315.0	148	269.8	169	287.7	209	339.9	205	316.3
East										
White	3,074	473.2	3,015	462.0	3,008	449.8	3,104	443.1	3,093	437.8
Black	75	766.6	62	644.3	80	814.0	72	780.9	96	881.3
Hispanic	166	328.9	205	395.4	194	342.0	209	354.5	170	275.5
Asian/Other	65	342.4	59	302.4	71	343.2	81	380.8	86	377.6
N. Inland										
White	2,903	388.9	2,806	364.1	3,024	375.6	2,957	351.0	3,083	360.3
Black	13	398.2	19	799.1	23	865.9	22	877.6	30	1158.2
Hispanic	162	270.0	177	288.8	166	251.3	175	257.0	193	257.5
Asian/Other	96	303.5	81	251.7	97	277.4	93	265.9	110	268.7

Note: Death records with missing race, age or zipcode information are excluded

Note: While rates have been calculated for all cells, caution should be taken when interpreting rates calculated from small numbers due to the instability of resulting Rates. The National Center for Health Statistics (NCHS) recommends not using rates when the frequency is less than 20.

DEATHS AMONG SAN DIEGO COUNTY RESIDENTS, 1994-1998

Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. standard population

Table 7. All Cause Mortality by Region, Gender and Year

	1994		1995		1996		1997		1998	
Regional Area		Adjusted		Adjusted		Adjusted		Adjusted		Adjusted
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
San Diego County										
Male	9645	555.2	9,351	525.7	9,319	507.7	9,351	487.0	9,406	473.3
Female	8728	332.6	8,744	324.5	9,048	324.1	9,259	322.0	9,345	313.4
N. Coastal										
Male	1,353	435.5	1,440	456.5	1,485	460.0	1,513	448.8	1,463	413.5
Female	1,334	304.6	1,345	287.1	1,387	290.0	1,411	290.6	1,499	287.9
N. Central										
Male	1,724	496.3	1,710	462.0	1,650	433.3	1,682	416.7	1,673	392.4
Female	1,619	310.8	1,622	286.2	1,695	295.8	1,783	293.0	1,796	281.6
Central										
Male	1,985	817.6	1,827	754.2	1,710	696.9	1,578	626.0	1,599	619.9
Female	1,432	370.6	1,452	389.6	1,439	381.8	1,425	366.1	1,403	348.2
South										
Male	1,198	557.3	1,148	532.3	1,156	517.6	1,194	513.3	1,218	522.1
Female	1,111	348.4	1,001	310.9	1,044	311.3	1,148	342.8	1,104	317.0
East										
Male	1,260	433.2	1,380	464.1	1,440	477.2	1,678	529.2	1,665	513.3
Female	1,269	283.2	1,526	336.6	1,507	311.6	1,789	365.5	1,781	362.7
N. Inland										
Male	1,641	462.7	1,524	418.4	1,588	417.0	1,600	406.6	1,690	412.4
Female	1,534	299.8	1,560	300.1	1,723	307.1	1,649	284.8	1,728	294.4

Note: Death records with missing gender, age or zipcode information are excluded

DEATHS AMONG SAN DIEGO COUNTY RESIDENTS, 1994-1998

Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. standard population

Table 8. Leading Causes of Death by Region and Year, 1994-1998

Regional Area	1994		1995		1996		1997		1998	
	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted
		Rate		Rate		Rate		Rate		Rate
San Diego County										
Heart Disease	5342	107.0	5462	107.1	5409	102.8	5449	99.3	5602	100.3
Coronary Heart Disease	4508	89.9	4636	90.5	4562	86.4	4608	83.6	4691	84.0
Lung Cancer	1166	32.6	1106	29.5	1133	29.6	1200	30.8	1132	27.3
Colorectal Cancer	395	9.8	406	9.9	404	10.3	381	8.8	426	9.4
Female Breast Cancer	374	19.4	411	21.7	370	19.8	347	17.3	382	19.4
Cerebrovascular Disease	1339	24.3	1383	24.6	1401	24.0	1403	23.5	1351	22.2
COPD	988	21.9	922	19.6	1047	21.7	1020	20.8	1147	22.0
Pneumonia/Influenza	824	14.4	778	12.3	941	14.7	999	15.2	1051	15.2
Diabetes	343	9.2	370	8.8	347	8.3	403	9.5	360	7.8
Drug-Induced	225	8.0	242	8.6	245	8.7	281	9.7	225	7.6
Unintentional Injuries	615	21.3	629	21.7	684	22.7	696	22.6	698	21.9
Motor Vehicle Accidents	268	9.7	278	10.1	272	9.9	246	8.7	271	9.4
Suicide	354	12.4	358	12.5	336	11.6	341	11.3	308	10.1
Homicide	208	8.0	190	7.3	167	6.2	144	5.5	101	3.9
All Firearms	334	12.4	304	11.2	278	10.0	256	8.9	202	7.0
N. Coastal										
Heart Disease	809	89.2	867	97.2	861	93.0	846	85.9	910	89.1
Coronary Heart Disease	668	73.6	712	81.0	703	76.4	698	70.2	741	73.0
Lung Cancer	173	29.5	162	24.0	187	28.5	191	29.2	190	26.8
Colorectal Cancer	63	9.6	71	10.0	68	10.8	62	9.2	65	7.3
Female Breast Cancer	66	21.9	66	22.4	61	18.4	58	17.4	70	20.3
Cerebrovascular Disease	166	19.1	180	19.9	173	16.5	204	19.3	203	19.3
COPD	160	20.0	166	18.9	165	20.1	179	20.5	212	23.6
Pneumonia/Influenza	130	12.8	104	9.4	136	12.4	146	13.8	142	11.8
Diabetes	34	5.8	45	6.5	48	6.3	46	5.8	40	5.4
Drug-Induced	23	5.3	33	6.9	33	7.3	66	14.4	35	7.1
Unintentional Injuries	84	17.8	97	19.5	104	21.2	131	26.2	97	19.7
Motor Vehicle Accidents	42	8.9	48	10.2	48	10.8	58	12.9	37	7.8
Suicide	50	11.1	56	11.9	40	8.0	85	18.0	59	11.5
Homicide	24	5.6	32	7.8	22	4.7	18	4.3	17	4.0
All Firearms	43	9.7	51	12.0	34	7.3	42	9.0	42	8.5

Note: records missing zipcode, age or ICD9 code information are excluded

Note: While rates have been calculated for all cells, caution should be taken when interpreting rates calculated from small numbers due to the instability of resulting Rates. The National Center for Health Statistics (NCHS) recommends not using rates when the frequency is less than 20.

DEATHS AMONG SAN DIEGO COUNTY RESIDENTS, 1994-1998

Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. standard population

Table 8. Leading Causes of Death by Region and Year, 1994-1998, Contd.

Regional Area	1994		1995		1996		1997		1998	
	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted
		Rate		Rate		Rate		Rate		Rate
N. Central										
Heart Disease	927	94.0	943	89.3	956	87.8	1017	87.7	1054	89.0
Coronary Heart Disease	798	80.2	815	77.1	810	73.8	871	75.5	864	73.3
Lung Cancer	235	30.6	213	26.6	230	27.8	226	27.2	202	22.0
Colorectal Cancer	70	8.2	99	11.3	92	11.4	75	8.1	85	9.0
Female Breast Cancer	73	19.4	88	21.8	77	19.7	73	17.6	73	17.0
Cerebrovascular Disease	281	26.0	270	22.1	296	25.2	268	21.1	238	18.5
COPD	164	18.2	161	15.6	169	17.0	163	15.8	176	15.7
Pneumonia/Influenza	153	13.9	167	13.5	167	12.8	200	13.8	217	14.3
Diabetes	57	7.5	64	6.9	60	7.0	69	7.6	68	7.2
Drug-Induced	34	5.7	34	5.8	39	6.6	28	4.3	32	5.2
Unintentional Injuries	120	20.8	94	16.2	111	18.3	106	15.5	118	15.9
Motor Vehicle Accidents	52	9.6	37	7.1	37	6.8	36	5.5	41	6.4
Suicide	68	12.1	70	11.5	62	10.3	64	9.9	67	10.5
Homicide	16	2.9	22	4.0	22	4.0	8	1.5	9	1.8
All Firearms	45	8.3	56	9.6	40	6.9	39	6.3	38	6.1
Central										
Heart Disease	924	132.7	951	135.5	877	129.5	885	126.1	905	127.7
Coronary Heart Disease	781	113.5	797	112.4	739	107.7	747	105.9	782	110.8
Lung Cancer	175	36.5	186	36.7	187	36.1	159	30.4	165	31.1
Colorectal Cancer	64	11.1	41	8.9	67	12.9	57	10.0	61	9.5
Female Breast Cancer	57	18.5	61	21.4	49	19.4	57	20.5	47	18.0
Cerebrovascular Disease	215	30.1	232	31.5	213	29.2	213	27.9	235	29.5
COPD	143	24.5	143	24.1	155	24.0	139	22.2	164	25.2
Pneumonia/Influenza	128	15.8	108	11.1	132	15.9	132	15.3	150	16.5
Diabetes	65	12.2	62	11.9	61	10.6	85	16.3	70	11.0
Drug-Induced	70	16.0	77	18.0	73	16.3	71	15.6	60	12.8
Unintentional Injuries	108	22.6	133	30.2	129	25.8	140	30.2	115	23.7
Motor Vehicle Accidents	27	5.8	59	13.6	38	8.4	34	7.4	37	7.6
Suicide	69	14.8	71	15.9	77	17.0	52	10.9	60	12.9
Homicide	77	16.6	69	17.8	54	12.0	62	13.3	30	6.8
All Firearms	86	18.9	71	15.4	63	14.4	68	14.9	41	9.3

Note: Records missing zipcode, age or ICD9 code information are excluded

Note: While rates have been calculated for all cells, caution should be taken when interpreting rates calculated from small numbers due to the instability of resulting rates. The National Center for Health Statistics (NCHS) recommends not using rates when the frequency is less than 20.

DEATHS AMONG SAN DIEGO COUNTY RESIDENTS, 1994-1998

Source: California Death Statistical Master File (DSMF)

Note: Rates are per 100,000 population and are adjusted to 1940 U.S. standard population

Table 8. Leading Causes of Death by Region and Year, 1994-1998, Contd.

Regional Area	1994		1995		1996		1997		1998	
	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted	Deaths	Adjusted
		Rate		Rate		Rate		Rate		Rate
N. Inland										
Heart Disease	962	96.0	911	86.5	971	87.2	922	83.0	961	82.6
Coronary Heart Disease	802	80.3	752	71.3	810	73.1	770	69.7	770	69.7
Lung Cancer	192	28.4	184	26.8	179	23.4	224	28.4	195	23.2
Colorectal Cancer	84	10.9	84	10.7	70	7.7	82	9.0	96	10.2
Female Breast Cancer	66	17.1	74	19.8	73	21.1	55	13.2	87	23.7
Cerebrovascular Disease	234	19.4	280	24.2	280	21.4	233	18.2	274	21.2
COPD	191	21.3	154	16.8	186	18.4	207	21.5	220	21.2
Pneumonia/Influenza	151	11.4	134	9.7	197	13.8	203	15.8	209	14.2
Diabetes	49	7.1	69	7.2	60	6.9	69	8.4	54	6.4
Drug-Induced	15	2.8	18	3.6	24	5.3	29	5.9	23	4.4
Unintentional Injuries	103	22.2	111	22.8	123	26.0	101	18.6	133	24.2
Motor Vehicle Accidents	61	13.6	57	12.6	65	15.3	39	8.7	64	13.7
Suicide	66	12.4	56	10.6	51	10.1	48	9.1	35	7.0
Homicide	29	7.3	17	3.7	19	4.7	18	4.2	9	2.1
All Firearms	60	13.2	45	9.1	40	8.4	35	6.8	26	5.1

Note: While rates have been calculated for all cells, caution should be taken when interpreting rates calculated from small numbers due to the instability of resulting rates. The National Center for Health Statistics (NCHS) recommends not using rates when the frequency is less than 20.

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PROGRAM CONTACTS

Data Type/Category	Data Description	Contact Information
Epidemiology Morbidity	<ul style="list-style-type: none"> Morbidity (Reportable Diseases) AVSS Reporting System Summary of Notifiable Diseases Summary of tables and statistics for the occurrence of notifiable diseases in the State of California. Tables show number of cases by year of report; graphs and maps as well as distribution of cases by geographic location, and by patients' age, gender, and race/ethnicity are available upon request 	Kim Poggemeyer, M.P.H. Division of Community Epidemiology Phone #: (619) 531-4958 Fax #: (619) 515-6644 kpoggehe@co.san-diego.ca.us MS: P511C-A
Mortality	<ul style="list-style-type: none"> Mortality Hospitalizations/Discharge data State/P.H.I.S. Mortality Files 	Jeff Johnson, M.P.H. Division of Community Epidemiology Phone #: (619) 531-4945 Fax #: (619) 515-6644 Jjohnshe@co.san-diego.ca.us MS: P511C-A
	Health Status Report	Louise Gresham, Ph.D., M.P.H. Division of Community Epidemiology Phone #: (619) 515-6621 Fax #: (619) 515-6644 lgreshhe@co.san-diego.ca.us MS: P511C-A
	Regional Health Status Profiles	Annie Kao, M.P.H., M.S. Division of Community Epidemiology Phone #: (619) 515-6603 Fax #: (619) 515-6644 akaoxhe@co.san-diego.ca.us MS: P511C-A
Sexually Transmitted Disease	<ul style="list-style-type: none"> STD Education and promotion Annual STD Factsheet 	Felicia Noonis STD Program, Community Liason Field and Community Services Section Phone #: (619) 692-8531 Fax #: (619) 692-8541 Fnoonihe@co.san-diego.ca.us MS: P511D
	<ul style="list-style-type: none"> STD Youth Risk Behavior Surveillance Survey, San Diego City Schools, CDC Bi-annual Summary of STDs Gonorrhea/Chlamydia by Region 1997 and 1999 	Azi Maroufi, M.P.H. Division of Community Epidemiology / STD Program Phone #: (619) 515-6619 Fax #: (619) 515-6644 amarouhe@co.san-diego.ca.us MS: P511C-A
AIDS Epidemiology	<ul style="list-style-type: none"> AIDS Epidemiology 	Tabatha Aboumrad, M.P.H. AIDS Epidemiology Unit Phone #: (619) 515-6673 Fax #: (619) 515-6765 taboumhe@co.san-diego.ca.us MS: P511C-A
AIDS Epidemiology	<ul style="list-style-type: none"> AIDS Epidemiology Report AIDS incidence, cumulative and by specific subpopulations, in San Diego County. Epidemiologic profile of cases are available. ARS 	Michael Bursaw, M.P.H. AIDS Epidemiology Unit Phone #: (619) 515-6672 Fax #: (619) 515-6765 mbursahe@co.san-diego.ca.us MS: P511C-A

Children's Hospital and Family Health Center	<ul style="list-style-type: none"> San Diego Child and Family Health and Well-Being Report Card 	Margie Blaszcak Phone #: (858) 576-1700 x4386 Fax #: (858) 495-4982 Mblaszcak@chsd.org MC 5053
Child, Youth & Family Health Assessment and Planning	<ul style="list-style-type: none"> Causes of Infant Mortality P.H.I.S. Birth Files IMR Data Fetal deaths data Building Healthier Futures Data Supplement Statistics for a wide range of child, youth and family health-related indicators such as infant mortality, teen births, prenatal care, immunizations, homicides, juvenile arrests, injury, and teen alcohol and drug use. Birth data, rates, birth to teens, Infant Mortality rates State/ P.H.I.S. Birth Files Birthnet 	Gayle White Fetal Infant Mortality Review Program Phone #: (619) 692-8667 Fax #: (619) 692-8827 MS: P511F
Children's Mental Health	<ul style="list-style-type: none"> Children's Mental Health Data Cross-system data for children (CPS, probation, ADS & school SED) 	Shirley Culver Phone #: (858) 495-7703 x3612 Fax #: (858) 495-7704 Sculvehe@co.san-diego.ca.us MS: P-531A
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Tuberculosis Control Program	TB Surveillance data	Wendy Betancourt, M.P.H. TB Surveillance Phone #: (619) 692-8874 Fax #: (619) 692-5650 Wbetanhe@co.san-diego.ca.us MS: P511D
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Emergency Medical Services	<ul style="list-style-type: none"> Medical Examiner Prehospital SART 	Alan Smith, M.P.H. EMS Phone #: (619) 285-6429 Fax #: (619) 285-6531 Asmit1he@co.san-diego.ca.us MS: S555

Emergency Medical Services	<ul style="list-style-type: none"> Injury, prehospital, medical examiner Trauma Data Summary Injury and trauma data for the county of San Diego, traffic crashes, SART QA Net, hospital bed availability 	Leslie Ray, M.A., MPPA EMS Phone #: (619) 285-6593 Fax #: (619) 285-6531 lrayxxhe@co.san-diego.ca.us MS: S555
Emergency Medical Services	<ul style="list-style-type: none"> Pre-hospital 	Barbara Stepanski EMS Phone #: (619) 285-6429 Fax #: (619) 285-6531 bstepahe@co.san-diego.ca.us MS: S555
Immunization Program / CDC	<ul style="list-style-type: none"> Immunization coverage in county, clinic, school, etc. Vaccine preventable diseases CDC Survey data and local survey data 	Wendy Wang, M.P.H. Immunization program Phone #: (619) 692-5683 Fax #: (619) 692-5677 wwangxhe@co.san-diego.ca.us MS: P511B
Immunization Program	<ul style="list-style-type: none"> Vaccine-preventable diseases reported in San Diego County Surveillance <small>Summary of vaccine-preventable diseases in SD County</small> San Diego County's Infant Immunization Progress Report <small>Immunization coverage for 2yr olds in SD County, a progressive report</small> 	Sandy Ross, R.N. Immunization program Phone #: (619) 692-8661 Fax #: (619) 692-5677 Srossxhe@co.san-diego.ca.us MS: P511B
Tobacco Control Resource Program	<ul style="list-style-type: none"> Operation Storefront Phases I & II: Youth Against Tobacco Advertising and Promotion, Southern Coast Region <small>Number and placement of tobacco advertisement and promotion in stores; merchant education.</small> 	Carol St. Cook Director Phone #: (619) 515-6505 Cstcoohe@co.san-diego.ca.us
County Veterinarian	Summary of reportable animal diseases/conditions in the County of San Diego	Jesus A. Guajardo, DVM Veterinary Public Health Phone #: (858) 694-2838 Jguajaag@co.san-diego.ca.us
County Vector Surveillance and Control Program	Summary of Vector-borne disease surveillance data <small>Tables of locations, vectors/hosts and types of vector-borne disease confirmed by testing in San Diego County</small>	Mike Devine Phone #: (858) 694-2629 Mdevinhe@co.san-diego.ca.us
HHSA GIS Coordinator	<ul style="list-style-type: none"> Financial data Mapping data 	Alice Weed Phone #: (619) 692-5617 aweedxhe@co.san-diego.ca.us MS: P5020
Violence, Injury & Prevention	Domestic Violence Data Child Abuse	Phone #: (858) 490-1670